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迁西乌头,河北毛茛科一新种

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摘 要 描述了自河北省发现的毛茛科乌头属一新种,迁西乌头。此新种在叶和花的形状方面与乌头像似,但其块根二叉状分枝,茎低矮,之字形弯曲,无毛,叶较小,无毛,花单朵顶生,花梗、萼片外面和心片均无毛,而与乌头相区别。

关键词 毛茛科;乌头属;新种;河北

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Aconitum qianxiense, a New Speceis of Ranunculaceae from Hebei

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Abstract A species of the genus *Aconitum* (Ranunculaceae), *Aconitum qianxiense*, is described as new from Hebei Province. In shape of leaves and flower it bears obvious resemblance to *A. carmichaeli* Debx., and from the latter differs in its bifurcate tubers, humile zigzag glabrous stem, smaller glabrous leaves, solitary terminal flower, and glabrous pedicel, outer surfaces of sepals and carpels.

Key words Ranunculaceae; *Aconitum*; new species; Hebei

迁西乌头 图1

Aconitum qianxiense W. T. Wang, sp. nov. (Subgen. *Aconitum*)

Ob formam foliorum et floris species nova haec est similis *A. carmichaeli* Debx., quod tuberibus haud ramosis, caulibus robustis usque ad 150 cm altis rectis puberulis, foliis majoribus 9-15 cm latis plerumque trisectis utrinque puberulis, floribus in racemum dispositis, pedicellis sepalisque extus puberulis, carpellorum ovariis puberulis raro glabris valde differt.

Tubers 2, carrot-shaped, 2.5-4 cm long, near apex ca. 7 mm across, below bifurcate-branched. Stem slender, ca. 19 cm tall, at base 1.2 mm across, glabrous, smooth, zigzag, ca. 8-leaved. Leaves petiolate, glabrous; blades thinly coriaceous, pentagonal, 2.1-3.3 cm long, 3-6.4 cm broad, at base deep-cordate or open-cordate, to 1-4 mm above base 3-parted or 3-sect, central segment broad- rhombic, obovate-rhombic or broad-oblanceolate, 1.7-3.3 cm long, 0.8-2.8 cm broad, at apex acute, 3-lobed, 3-dentate or subentire, lateral segments obliquely flabellate, unequally 2-lobed or 2-parted, with lobes 1-2-denticulate; petioles slender, 1.2-4.5 cm long. Flower solitary, terminal; bracts 2, opposite, shortly petiolate, leaf-like, ca. 8 mm broad; pedicel slender, ca. 4.6 cm long, 0.9 mm across, glabrous, smooth, above base 2-bracteolate; bracteoles sessile, lanceolate-linear, ca. 3.5 mm long, 0.6 mm broad, glabrous. Sepals purple, outside glabrous; upper sepal high galeate, ca. 1.7 cm high, shortly clawed and beaked, within glabrous, lower margin concave, ca. 1.3 cm long; lateral sepals obliquely broad-obovate, ca. 1.5 cm long, 1.4 cm broad, within sparsely sericeous; lower sepals slightly unequal in size, narrow-

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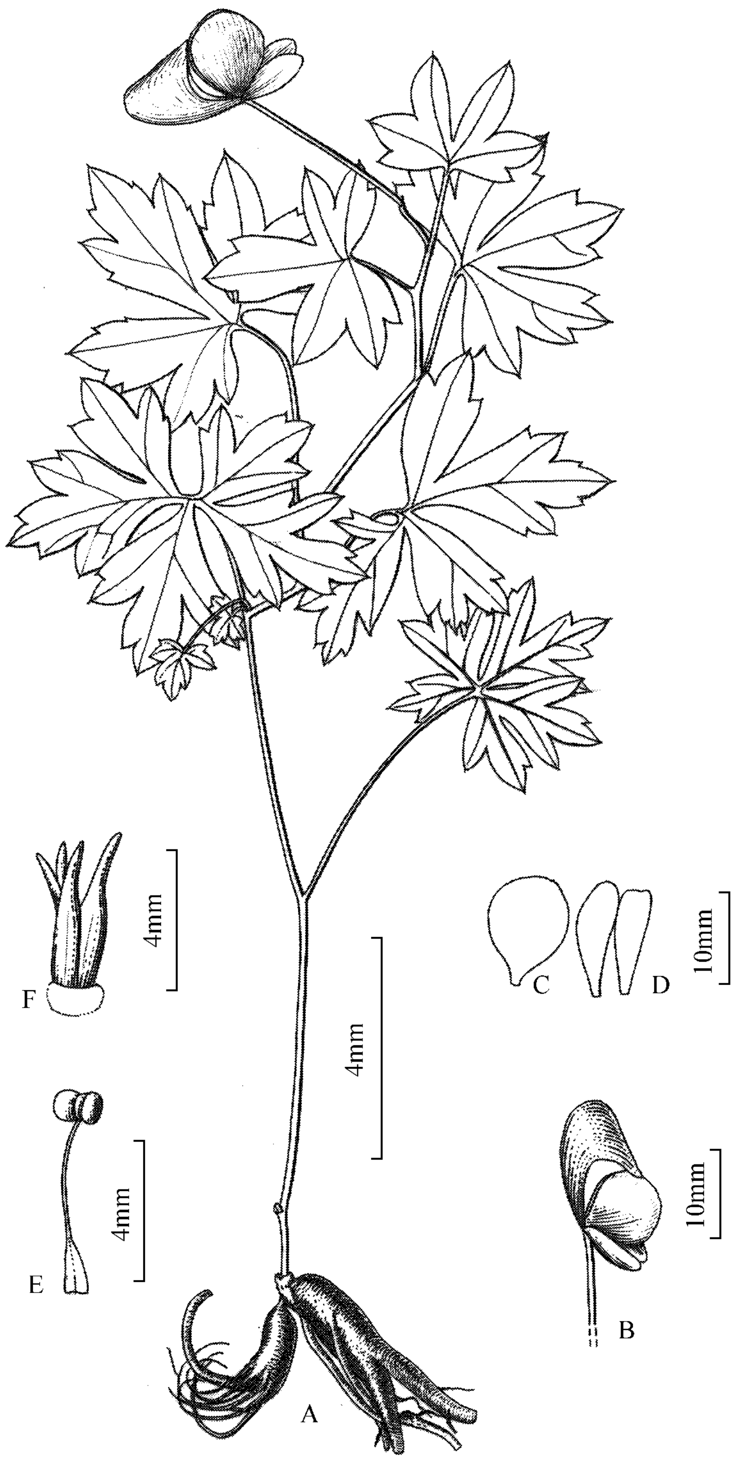


图 1 迁西乌头 A. 植株全形；B. 花；C. 侧萼片；D. 2 下萼片；E. 雄蕊；F. 雌蕊群，包含 4 枚心皮

Fig. 1 ***Aconitum qianxiense*** A. Habit；B. Flower；C. Lateral sepal；D. Two lower sepals；E. Stamen；F. Gynoecium，consisting of four carpels（from holotype）

obovate，1.1－1.3 cm long，5－6 mm broad，at apex subtruncate，within sparsely sericeous. Petals（damaged by insects）glabrous；claws ca. 1.2 cm long；limbs linear，ca. 7 mm long，2 mm broad；lips ligulate，ca. 3.5 mm long；spurs unknown. Stamens glabrouLs；filaments filiform，ca. 5 mm long，near base broadened；anthers subquadrate，ca. 0.8 mm long，1 mm broad. Carpels 4，4－4.5 mm long，glabrous.

块根2，胡萝卜形，长2.5～4 cm，近顶端粗约7 mm，下部二叉状分枝。茎纤细，高约19 cm，基部粗约1.2 mm，无毛，光滑，之字形弯曲，约有8叶。叶具柄，无毛；叶片薄革质，五角星，长2.1～3.3 cm，宽3～6.4 cm，基部深心形或开展心形，3深裂至基部之上1～4 mm处或3全裂，中央一回裂片宽菱形，倒卵状菱形或宽倒披针形，长1.7～3.3 cm，宽0.8～2.8 cm，在顶端急尖，3浅裂，具3牙齿或近全缘，侧一回裂片斜扇形，不等2浅裂或2深裂，二回裂片有1～2小齿；叶柄纤细，长1.2～4.5 cm。花单朵顶生；苞片2，对生，具短柄，叶状，宽约8 mm；花梗纤细，长约4.6 cm，粗0.9 mm，无毛，光滑，在基部之上有2小苞片；小苞片无柄，披针状条形，长约1.7 cm，具短爪和短喙，内面无毛，下面凹，长约1.3 cm，侧萼片斜宽倒卵形，长约1.5 cm，宽1.4 cm，内面被绢毛，下萼片稍不等大，狭倒卵形，长1.1～1.3 cm，宽5～6 mm，在顶端近截形，内面疏被绢毛。花瓣（受到昆虫的损害）无毛；爪长约1.2 cm；瓣片条形，长约7 mm，宽2 mm，唇舌状，长约3.5 mm；距未见。雄蕊无毛；花丝丝形，长约5 mm，近基部变宽；花药近方形，长约0.8 mm，宽1 mm。心皮4，长4～4.5 mm，无毛。

河北（Hebei）：迁西县（Qianxi Xian），兰阳（Lanyang），山峪外（Shanyuwai），羊角石（Yangjiaoshi），花紫色（flower purple），1981－09－03，迁西县农业区划办公室（Agriculture division office of Qianxi Xian）无号（sine num.，holotype，PE）.

本种的叶和花的形状与乌头（*Aconitum carmichaeli* Debx.）的相似，但在以下特征与后者明显不同：本种的块根二叉状分枝，茎纤细，低矮，高约19 cm，无毛，之字形弯曲，叶较小，宽达6.4 cm，3深裂或3全裂，两面无毛，花单朵顶生，花梗，萼片外面和心皮无毛。在乌头，块根不分裂，茎粗壮，高达150 cm，直，被短柔毛，叶较大，宽9～15 cm，多数3全裂，两面被短柔毛，花组成总状花序，花梗和萼片外面均被短柔毛，心皮的子房被短柔毛，稀无毛[1]。

我查阅《河北省地图册》中的迁西县地图，未找到本种模式标本的野外记录中记载的“兰阳”、“山峪外”和“羊角石”诸地，并怀疑“兰阳”可能是地图中的“滦阳”的误写。

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